

02/20/01  
11032 U.S. PTO

| <b>TRANSMITTAL OF<br/>UTILITY<br/>APPLICATION<br/>UNDER 37<br/>C.F.R. §1.53</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     | Attorney Docket No. 24745-1607                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     | First named inventor Madison                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     | Express mail label # EL675147479US                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     | Date of mailing February 2, 2001                                         |
| <b>Application Elements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | <b>Accompanying Application Papers</b>                                   |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | 7. <input type="checkbox"/> Copy of assignment from prior application    |
| 2. <input checked="" type="checkbox"/> Specification containing <b>207</b> pages (including claims and Abstract), and and a Sequence Listing (66 pages).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                     | 8. <input checked="" type="checkbox"/> Small Entity Statement is claimed |
| a. Title: <b>NUCLEIC ACID MOLECULES ENCODING TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND METHODS BASED THEREON</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     | 9. <input type="checkbox"/> Preliminary Amendment                        |
| b. Number of claims: <u>135</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     | 10. <input checked="" type="checkbox"/> Return Receipt Postcard          |
| 3. <input checked="" type="checkbox"/> <u>4</u> sheets of drawings with <u>4</u> Fig.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                     |                                                                          |
| 4. <input type="checkbox"/> Unexecuted Declaration listing names of joint inventors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                          |
| 5. <input checked="" type="checkbox"/> Sequence Listing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                     |                                                                          |
| <input checked="" type="checkbox"/> Paper copy (identical to computer copy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                          |
| <input checked="" type="checkbox"/> Computer readable copy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |                                                                          |
| <input type="checkbox"/> Verified statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                                          |
| 6. <input type="checkbox"/> Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                     |                                                                          |
| <b>SIGNATURE OF ATTORNEY/AGENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                                                          |
| HELLER EHRLMAN WHITE & McAULIFFE LLP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                          |
| Stephanie Seidman<br>Registration Number: 33,779                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                     |                                                                          |
| <input checked="" type="checkbox"/> Benefit of priority under 35 U.S.C. §119(e) to U.S. provisional application Serial No. 60/179,982; to U.S. provisional application Serial No. 60/183,542; to U.S. provisional application Serial No. 60/213,124; to U.S. provisional application Serial No. 60/220,970; and to U.S. provisional application Serial No. 06/234,840 is claimed herein. Benefit of priority under 35 U.S.C. §120 to U.S. application Serial No. 09/657,968. This application is a continuation-in-part of U.S. application Serial No. 09/657,986. The subject matter and disclosure each of the prior application is incorporated in its entirety. |                                                                                     |                                                                          |
| <b>CORRESPONDENCE ADDRESS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                                          |
| NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Stephanie Seidman<br>Registration No. 33,779<br>Heller Ehrman White & McAuliffe LLP |                                                                          |
| Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4250 Executive Square, 7th Floor, La Jolla, CA 92037                                |                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Telephone: 858.450-8400                                                             | Facsimile: 858.587-5360                                                  |

**FEE TRANSMITTAL  
ACCOMPANYING UTILITY  
APPLICATION UNDER  
37 C.F.R. §1.53**

|                      |                  |
|----------------------|------------------|
| Attorney Docket No.  | 24745-1607       |
| First named inventor | Madison          |
| Express mail label # | EL675147479US    |
| Date of mailing      | February 2, 2001 |

**FEE CALCULATION FOR CLAIMS AS AMENDED**

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| a) Basic Fee                                    | \$ 710.00                          |
| b) Independent Claims 7 - 3 = 4 x \$ 80.00      | \$ 320.00                          |
| c) Total Claims 135 - 20 = 115 x \$ 18.00       | \$ 2070.00                         |
| d) Fee for Multiple Dependent Claims - \$230.00 | \$ 0.00                            |
|                                                 | <b>TOTAL FILING FEE</b> \$ 3100.00 |

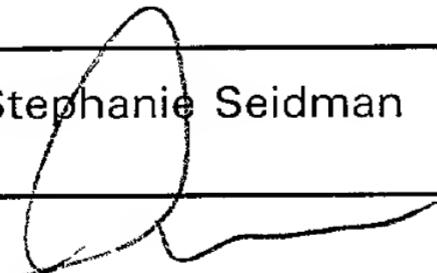
[X] Status as Small Entity is claimed herein, reducing Fee by one-half to \$1550.00

[X] A check in the amount of \$1550.00 to cover the fee for filing the application.

[ ] Charge \$ .00 to Deposit Account No. 50-1213. A new Statement of Status as Small Entity to be submitted with response to Missing parts.

[X] The Commissioner is hereby authorized to charge any fees that may be required in this application under 37 C.F.R. §§ 1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 50-1213. If proper payment is not enclosed, such as a check in the wrong amount, unsigned, post-dated, otherwise improper or informal, or absent, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1213 during the entire pendency of this application. This sheet is filed in duplicate.

**CORRESPONDENCE ADDRESS**

|                       |                                                                                      |                         |          |
|-----------------------|--------------------------------------------------------------------------------------|-------------------------|----------|
| NAME                  | Stephanie Seidman<br>Registration No. 33,779<br>Heller Ehrman White & McAuliffe LLP  |                         |          |
| Address               | 4250 Executive Square, 7th Floor, La Jolla, CA 92037                                 |                         |          |
|                       | Telephone: 858.450.8400                                                              | Facsimile: 858.587.5360 |          |
| Submitted by:         |                                                                                      |                         |          |
| Typed or printed name | Stephanie Seidman                                                                    | Reg. Number             | 33,779   |
| Signature             |  | Date                    | 02/02/01 |
|                       |                                                                                      | Deposit Account         | 50-1213  |